Engine Systems Technology Branch (RTS)

Conducts systems-level analytical and experimental research and technology development for aerospace propulsion applications. The overall goals include demonstration of advanced concept feasibility, as well as improvements in performance, reliability, and cost effectiveness. Conceives, analyzes and tests unique propulsion system concepts that advance the state-of-the-art. Develops new and advanced computational tools and models, which are validated through benchmark experiments and application to realistic propulsion systems. Conducts research using advanced, high-performance computational technologies to enhance, accelerate and integrate computational and experimental research in aerospace propulsion systems.